



2022-23 High School Winter Qualifier (T2) – Pack 10

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PACK 10

FIRST QUARTER

6-Part Blitz

1. What word is used for referees in tennis and baseball?

A: **umpire**

2. *Rigoletto* and *Aida* are operas by what Italian composer?

A: Giuseppe **Verdi**

3. What law relates stress and strain and describes the force needed to compress a spring?

A: **Hooke's** law

4. "The Moons of Jupiter" is a short story by what Nobel-Prize winning Canadian author?

A: Alice **Munro**

5. What word refers to the number on the top of a fraction?

A: **numerator**

6. What device can be placed in "handheld mode" by mounting its two Joy-Con controllers on either side of it?

A: Nintendo **Switch**

Set of 4: Indigenous Canadians

7. Named for an article of clothing worn by Phyllis Webstad, what is the common unofficial name for the National Day for Truth and Reconciliation?

A: **Orange Shirt** Day

8. What umbrella term coined in the 1990s is sometimes used by Indigenous people who identify with an alternative sexuality or gender identity?

A: **two-spirit** (accept word forms)

9. Name either of the two provinces with the highest proportion of Indigenous inhabitants relative to their population.

A: **Manitoba** OR **Saskatchewan**

10. In 1983, what Canadian-born singer-songwriter became the first Indigenous person to win an Oscar?

A: Buffy **Sainte-Marie**

Set of 4: Fire

11. Punished by being chained to a rock and having an eagle eat part of his liver every day, what Greek mythological figure stole fire from the gods and gave it to humans?

A: **Prometheus**

12. What space Western series, created by Joss Whedon, shares its name with a bioluminescent insect?

A: **Firefly**

13. Which alkali metal burns an intense yellow in the flame test?

A: **sodium** (accept: **Na**)

14. In what city did the Triangle Shirtwaist Factory Fire occur?

A: **New York** City (accept: **NYC**)

Jackpot

15.

Part 1: Which organ of the human body can be affected by strabismus?

Part 2: Evaluations of this organ's function typically include cylinder and axis ratings.

Part 3: This organ experiences recurring periods of high activity beginning after 90 minutes of sleep.

Part 4: The exterior-facing part of this organ consists of the sclera, the iris, and the pupil.

A: **eyes**

Set of 3: In the Kitchen

19. Non-stick pans are generally coated with what material?

A: **Teflon** (accept: **polytetrafluoroethylene, PTFE**)

20. What chemical reaction causes browning in food heated to about 300° Fahrenheit?

A: **Maillard** reaction

21. What "T"-word names the button on a kitchen scale that can adjust for the weight of a container by redefining the current weight as zero?

A: **tare**

Streaks

22. Name up to all of the five largest islands in the Mediterranean Sea.

A: **Sicily, Sardinia, Cyprus, Corsica, Crete**

24. Excluding interim leaders, only three leaders of the Liberal Party of Canada have failed to ever become Prime Minister. Name up to all of them.

A: Edward **Blake**, Stéphane **Dion**, Michael **Ignatieff**

SECOND QUARTER

Splits: Space Probes & Spelling

Space Probes

26. What was the recent NASA mission that successfully changed the orbit of an asteroid?

A: **DART** (accept: **Double Asteroid Redirection Test**)

27. In 2020, what NASA rover landed on Mars?

A: **Perseverance**

28. The Japanese Akatsuki [“ah-KAT-ski”] orbiter has extensively studied which planet’s thick carbon dioxide atmosphere?

A: **Venus**

29. New Horizons was a space probe primarily designed to study what dwarf planet?

A: **Pluto**

Spelling

Spell the following words. (Note to reader: pay attention to the pronunciation guides.)

30. It’s an adjective that describes a pressurized aquifer or well: spell “artesian” [“ar-TEE-zhun”].

A: **A-R-T-E-S-I-A-N**

31. It’s a type of metallophone with a German-derived name: spell “glockenspiel” [“GLOCK-en-shpeel”].

A: **G-L-O-C-K-E-N-S-P-I-E-L**

32. In the feudal system, it was a person to whom vassals pledged fealty: spell “liege” [“LEEZH”].

A: **L-I-E-G-E**

33. It’s a condition characterized by raised patches of dry, itchy skin: spell “psoriasis” [“sor-EYE-uh-sis”].

A: **P-S-O-R-I-A-S-I-S**

Set of 3: Linguists

34. What surname is shared by two linguist brothers who name a law describing a series of Proto-Indo-European sound changes, and more famously published German folk stories such as "Cinderella"?

A: **Grimm**

35. What American linguist coined the sentence "colourless green ideas sleep furiously," and later became an MIT professor known for opposing American imperialism?

A: Noam **Chomsky**

36. What earlier American linguist claimed that the Hopi language had no concept of time, and names a linguistic hypothesis along with Edward Sapir?

A: Benjamin Lee **Whorf**

Set of 4: North American Bridges

37. Nicknamed "Galloping Gertie", what bridge in Washington state collapsed in 1940?

A: **Tacoma Narrows** Bridge

38. What Canadian bridge, with the longest cantilever span in the world, connects its namesake city to the other side of the Saint Lawrence River?

A: **Quebec** Bridge (accept: pont de **Québec**)

39. What country contains the Bridge of the Americas, which crosses its namesake canal?

A: **Panama**

40. What bridge crosses the Abegweit Passage of the Northumberland strait, connecting New Brunswick to Prince Edward Island?

A: **Confederation** Bridge

Set of 4: In Jail

41. In 1920, who ran for president of the United States while in prison?

A: Eugene Victor **Debs**

42. The incarceration of Piper Chapman sets up the events of what Netflix series?

A: **Orange Is the New Black**

43. What word refers to a payment made to have someone temporarily released from jail?

A: **bail** (accept: **bond**)

44. What country's maximum security prison on Robben Island was home to inmates such as Jacob Zuma and Nelson Mandela?

A: **South Africa**

6-Part Blitz

45. What river gives its name to a Bronze Age civilization as well as to the country of India?

A: **Indus** River

46. D.W. Griffith's film *Birth of a Nation* is controversial for its positive depiction of what hate group?

A: **Ku Klux Klan** (accept: **KKK**)

47. Who described hope as "the thing with feathers" in an 1861 poem?

A: Emily **Dickinson**

48. What four-letter word refers to the captain of a curling team?

A: **skip**

49. On which day of the week are Orthodox Jews forbidden from doing work until sundown?

A: **Saturday** (prompt on: the **Sabbath**, **Shabbat**)

50. Rickets is most often caused by a deficiency of which vitamin?

A: Vitamin **D**

THIRD QUARTER

Splits: Christmas Music & Economics

Christmas Music

51. According to a Christmas carol, who has a "corn cob pipe and a button nose"?

A: **Frosty** the Snowman

52. "Minuit, Chrétiens" and "Cantique de Noël" are common French titles for what Christmas carol?

A: **"O Holy Night"**

53. Who released the album *Under the Mistletoe* in 2011?

A: Justin **Bieber**

54. According to a Christmas carol, which 10th century Bohemian "looked out, on the Feast of Stephen"?

A: Good King **Wenceslas**

Economics

55. What point in a competitive market is represented by the intersection of a supply and demand curve?

A: **equilibrium** (accept: **equilibrium** price, **equilibrium** quantity)

56. Peaks and troughs characterise the graph of what phenomenon of alternating periods of economic expansion and recession?

A: **business cycle**

57. Cyclical, structural, and frictional are forms of what economic phenomenon, the rate of which increases as demand for labour falls?

A: **unemployment** rate (reject: **employment** rate)

58. The value-added, income, and expenditure approaches are three different ways to calculate what macroeconomic indicator, which is commonly used to compare the sizes of countries' economies?

A: **gross domestic product** (accept: **GDP**)

Set of 5: Italian Renaissance Painters

59. Who painted several ignudi ["in-YOO-dee"] and sibyls as well as *The Creation of Adam* on the Sistine Chapel ceiling?

A: **Michelangelo** di Lodovico Buonarroti Simoni

60. What painter from Urbino decorated the Stanza della Segnatura with frescoes such as *La Disputa* and *The School of Athens*?

A: **Raphael** Sanzio da Urbino

61. A student of Fra Filippo Lippi, who painted *La Primavera* and *The Birth of Venus*?

A: Sandro **Botticelli**

62. Who painted a series of mythological paintings for Phillip II dubbed "poesie" and more famously painted the *Venus of Urbino*?

A: **Titian** (accept: **Tiziano**, Tiziano **Vecellio**)

63. What painter of *Self-Portrait as the Allegory of Painting* may have drawn her rapist as the titular Assyrian general in *Judith Slaying Holofernes*?

A: Artemisia **Gentileschi** ["jen-till-LESS-kee"] (accept: Artemisia **Lomi**)

Jailbreak

64. What is the capital of Florida?

A: **Tallahassee**

65. Who played a homesick Irish immigrant in *Brooklyn*, Jo March in 2019's *Little Women*, and the title role in *Lady Bird*?

A: Saoirse ["SUR-shuh"] **Ronan**

66. In medieval Japan, what word referred to military rulers who held power on behalf of the emperor?

A: **shogun**

67. While visiting Elizabeth, what Biblical figure delivered a famous quote that begins "My Soul Magnifies the Lord", known as her Magnificat?

A: the virgin **Mary**, mother of Jesus (accept: **Madonna**; reject: **Mary Magdalene**)

68. Causing occupants to swing side to side as a car quickly turns, what fictitious force acts on objects in a rotating frame of reference?

A: **centrifugal** force

69. What coffee-making apparatus is equipped with a plunger used to filter the grounds and extract flavour?

A: **French press**

70. In the song "Do-Re-Mi," what note is described as "a long long way to run"?

A: **Fa**

71. What substance names a series of Mario games whose installments include *The Thousand Year Door*, *Colour Splash*, and *The Origami King*?

A: **paper**

72. *The Restaurant at the End of the Universe* is the second in what series of novels by Douglas Adams?

A: *The **Hitchhiker's Guide to The Galaxy***

73. In nature conservation, what classification refers to species that are abundant and not considered to be threatened?

A: **least concern** (prompt on: **LC**)

74. The word "fax" is short for what?

A: **facsimile**

75. Who was the first Roman emperor?

A: **Augustus** Caesar (accept: **Octavian**)

FOURTH QUARTER

Jackpot

76.

Part 1: What country is home to the pop-punk band Poshlaya Molly and the singer Jamala?

Part 2: This country's parliament is called the Verkhovna Rada.

Part 3: This country contains the source of the Dniester ["d-NEE-ster"] river, and the Dnieper ["d-NEE-per"] river runs through its cities of Zaporizhia and Kherson.

Part 4: This country's flag consists of a blue stripe above a yellow stripe.

A: **Ukraine**

Set of 3: Real Things

80. Orange County was the setting of the first series in what reality TV franchise, which documents the lives of affluent middle-aged women?

A: *The* **Real Housewives**

81. In video games, what does the acronym RTS stand for?

A: **real-time strategy**

82. The main characters of *Glengarry Glen Ross* all work in what industry?

A: **real estate**

Double Jumps

83. What leader's quote "Speak softly and carry a big stick" is often seen as representative of his foreign policy?

A: **Theodore Roosevelt** (accept: **Teddy Roosevelt**) (prompt on: **Roosevelt**)

84. Roosevelt won the Nobel Peace Prize for his work negotiating what 1905 treaty that ended the Russo-Japanese war?

A: Treaty of **Portsmouth**

85. The declarer's partner is called the "dummy" in what trick-taking card game, in which the four players are often labelled with cardinal directions?

A: **bridge**

86. If North opens 1 Spade, what is East's only legal bid at the 1-level?

A: 1 **No Trump** (accept: 1**NT**)

87. Who won the 2022 NFL MVP Award, his second in five seasons, after leading the Chiefs to the #1 seed in the AFC?

A: Patrick **Mahomes**

88. Who beat out Mahomes for the Offensive Player of the Year Award after leading the NFL in receptions and receiving yards?

A: Justin **Jefferson**

12-Part Blitz

89. The Joad family travels from Oklahoma to which state in search of work in *The Grapes of Wrath*?

A: **California**

90. The “big” version of which letter is used to provide an asymptotic upper bound on the runtime of a program?

A: **O**

91. Who was the first overall pick in the 2015 NHL Entry Draft, selected by the Edmonton Oilers?

A: Connor **McDavid**

92. Thomas Keller is the head chef of what three-Michelin Star French restaurant in the Napa Valley?

A: The **French Laundry**

93. Set during the Franco-Prussian war, *Mademoiselle Fifi* and *Boule de Suif* were both written by what French master of the short story?

A: Guy de **Maupassant**

94. Who is the protagonist of *To All the Boys I've Loved Before* and its sequels?

A: **Lara Jean** Covey (prompt on: Covey)

95. What name is given to an angle that is greater than 180 degrees but less than 360 degrees?

A: **reflex** angle

96. What final capital of the Visigothic Kingdom shares its name with a city located near the Michigan-Ohio border?

A: **Toledo**

97. What word refers to a group of two successive lines in a poem?

A: **couplet**

98. What crop is also known as maize?

A: **corn**

99. How many iPhone SE generations are there?

A: **three**

100. What young adult novel by Adam Silvera tells the story of Mateo and Rufus on their last day of life?

A: ***They Both Die at the End***